S&B USE	7646

EXEMPTION APPLICATION FROM RENTAL WEATHERIZATION STANDARDS

Section 101.122, Wisconsin Statutes

STORM WINDOWS OR DOORS

DEPARTMENT OF COMMERCE
Safety and Buildings Division
P.O. Box 7302
Madison, Wisconsin 53707
(920) 854-7405

NAMES OF ALL OWNERS	ADDRESS OF RENTAL UNIT	PREPARER OTHER THAN OWNER
OWNER'S ADDRESS	NUMBER OF DWELLING UNITS	PREPARER'S ADDRESS
CITY STATE ZIP	CITY	CITY STATE ZIP
OWNER'S TELEPHONE NUMBER ( )	COUNTY	TELEPHONE NUMBER ( )

Applications for exemptions must be made on this form. ONLY ONE EXEMPTION MAY BE REQUESTED ON EACH FORM. The worksheet within this application estimates the energy saved from the envelope measures required by Ch. 67.05. Other nonenvelope cost payback calculations may be approved by the Department. The final acceptance of cost payback shall be made by the Department.

TO APPLY FOR AN EXEMPTION - Each request for an exemption must include:

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1. **A completed application.**
2. **5-Year payback calculations (Worksheet on pages 2, 3, & 4 or other documented method). (Note: Separate calculations should be done for supply and/or return ducts.)**
3. **Drawings or pictures depicting the conditions.**
4. **Documentation of unit fuel cost (Fuel billing less than 6 months old).**
5. **Cost estimate of the conservative measure (Signed by contractor).**
6. **Owner's signature and date signed.**
7. **$25 Application fee (Make checks payable to Dept. of Commerce, Safety and Buildings Division).**
8. **Send to Dept. of Commerce, Rental Weatherization, P.O. Box 7302, Madison, Wisconsin 53707.**

The Department will determine eligibility for an exemption in accordance with COMM 67.06 of the Wisconsin Administrative Code. Upon determination of eligibility, the office will issue a letter of exemption which must be presented to the inspector performing the compliance inspection.

Calculation Procedures for Exemption Form

The following portion of the application is used to calculate savings for envelope energy conservation measures required by Ch. COMM 67. Worksheet uses estimating methods specified by Ch. 67.

1.	Refer to Fig. 1. Enter the zone number for the rental unit.	1a)	
	Enter the degree days/year.	1b)	
2.	Enter the coefficient found in Table 1 referring to your type of fuel. Units = (fuel units x hour) / (day x Btu)	Coefficient = 2)	
3.	Multiply line 1b, the number DD, times the coefficient, line 2. Units = (fuel units x hour x F/Btu-year)	(1b) x (2) = 3)	
4.	Enter your cost for one unit of fuel. (In $ per gallon, $ per KWH, $ per CCF, $ per cord of wood).	$/Fuel Unit = 4)	
5.	Multiply line 3 by line 4.	(3) x (4) =- 5)	

NOTE: *All the information needed to complete #1 - #5 can be found in Figure 1, Table 1, and a heating fuel utility bill from the most current heating season.

TABLE 1 - Fuel Coefficiencies (Line 2)

FUEL	COEFFICIENT
LP	.00239
Oil	.00158
Natural Gas	.00218
Electricity	.03516
Wood	8.65×10^{-6}

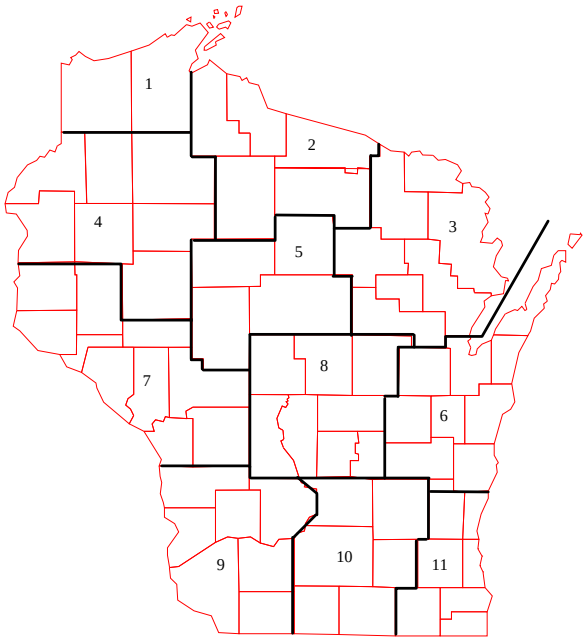
NOTE: These coefficiencies account for the heating value of the fuel and the annual furnace efficiency.

FIGURE 1

Degree Days Per Year

Wisconsin Division
of State Energy
Degree Day Zones

Zone 1 - 8960
Zone 2 - 9128
Zone 3 - 8608
Zone 4 - 8686
Zone 5 - 8354
Zone 6 - 8089
Zone 7 - 8330
Zone 8 - 7872
Zone 9 - 7466
Zone 10 - 7673
Zone 11 - 7324



6. The window and door heat loss is composed of loss by conduction and infiltration. Carefully measure the dimension of each size window or door and record on the worksheet below. If you are applying for an exemption for different types of doors or windows (i.e., double hung and fixed window or solid core or hollow core door), a separate exemption form must be filed for each type with the Department. Bids should separate installed cost for each different type. Window exemptions require bids for outside and inside storm applications. An additional $25.00 charge for each exemption will not be charged.

Worksheet - Calculate Areas and Perimeters for Various Size Windows

Conduction		Window or Door Type:	Window Dimensions (Ft) (h) Height	(w) Width	Area h x w	Perimeter 2(h + w)
7a) Enter type of windows or doors and total area of each type (sq. ft.).	7a)	_____	_____	_____	____	_____
7b) Enter change in U (▲ U) for windows or doors from Table 2.	7b)	_____	_____	_____	____	_____
7c) Multiply 7a by 7b and enter the results. This is the ▲ UA for conduction.	7c)	_____	_____	_____	____	_____
7d) Go to line 8a.						
Infiltration						
8a) Carefully measure the perimeter of each type of window or door (ft.).	8a)	_____	_____	_____	____	_____
8b) Enter the appropriate coefficient from Table 3 for each window or door type.	8b)	_____	_____	_____	____	_____
8c) Multiply 8a by 8b and enter the results. This is the ▲ UA equivalent for infiltration.	8c)	_____	_____	_____	____	_____
				Totals,	Area, Enter Line 7a	Perimeter, Enter Line 8a
8d) Add the ▲ UA products from 7c and 8c and enter the results. This is the total ▲ UA product.	8d)	_____				

TABLE 2 CHANGE IN U FOR WINDOWS AND DOORS (LINE 7b)

Windows and Patio Doors		▲ U	
Glass Storm on Interior/Exterior		.60	
Acrylic Storm on Interior		.62	
		▲ U With Wood Storm Door*	▲ U With Metal Storm Door**
1-3/8	Solid core	.13	.11
1-3/8	Panel door with 7/16 inch panels	.24	.20
1-3/4	Solid core	.11	.08
1-3/4	Panel door with 7/16 inch panels	.22	.18
1-3/4	Solid core with single glazing	.17	.14
1-3/4	Solid core with double glazing	.12	.10

* Assumes 50 percent glass area

** Values are for any percent of glass area

TABLE 3 INFILTRATIVE COEFFICIENTS FOR WINDOWS AND DOORS WITH STORMS (LINE 8b)

Window or Door Type	Coefficient
Wood casement (excluding basement windows)	.103
Wood awning (excluding basement windows)	.054
Aluminum double slider	.313
Wood double slider	.216
Aluminum single slider	.340
Wood single slider	.189
Wood double hung	.291
Basement windows (awning, casement and hopper)	.281
Aluminum single hung	.373
Fixed glazing	.157
Door	.675
Patio door	.729

9. Enter the results of line 5. _____

10. **5-YEAR DOLLAR SAVINGS.** Multiply line 8d by line 9. _____

11. **RETROFIT COST.** Must be documented by an estimate signed by the issuing contractor _____

12. Are the 5-year energy savings greater than the retrofit cost?

_____ Yes, the retrofit pays back in five years

_____ No, it does not pay back in five years

_____
(Owner's Signature)

_____
(Preparer's Signature)

Attach Photos or Drawings